



ARTHUR M. BROWN, DEPUTY MARSHAL.

THE DEPUTY MARSHAL.

ARTHUR M. BROWN, ABLE AIDE TO THE CHIEF OF POLICE.

Has Made an Envious Record—Friends Present Him With a Testimonial—Deserved Recognition.

In the conduct of the Marshal's office Mr. Hitchcock has been singularly blessed in having as an assistant such an able deputy as Mr. Arthur M. Brown, whose likeness is shown here.

Arthur, as his intimates call him, is a Honolulu boy and received his education at Punahou from which institution he was graduated. Having shown a predilection for the law his desires were encouraged and he was sent to the Boston University Law School from which he graduated in 1891. Returning to Honolulu he entered the office of Judge Hartwell, embarking shortly afterward as an active practitioner at the Honolulu bar.

At the time of the overthrow in 1893, Mr. Brown took the side for good government and became active among the citizen soldiery and was given command of a squad of men on guard at the Judiciary building. When it became necessary for a transfer of arms and ammunition from the police station to the Government buildings on King street Mr. Brown volunteered his services in the undertaking and accomplished satisfactory results. In recognition of his services during those tempestuous times he was proffered and accepted the office of Deputy Marshal of the Republic, an office which he has so satisfactorily filled.

Since taking the position Mr. Brown has had rather thrilling experience with men used to handling guns. Some time ago, when the Government decided to bring in some lepers who were hiding near Ewa, Mr. Brown and Capt. Parker went out for the purpose of carrying out the law. After corraling the men the officers were fired upon and had a narrow escape from death. During the recent outbreak he led the officers to Bertlemann's house and while standing on the veranda the rebels opened fire and Mr. Brown once more experienced the decidedly unpleasant sensation of having bullets whistle in rather close proximity to his head; his escape on this occasion suggests his being born under a lucky star.

Practically Mr. Brown was at the front during the revolution from start to finish; with Captain Parker he led the native police across the mountains between Nuuanu and Palolo, and largely to their efforts were due the important captures resulting from that raid. Mr. Brown has the confidence of his men, they will follow him when ever called upon no matter how great danger may be connected with the undertaking. He is modest and retiring in his demeanor, ever ready to give credit to his men when deserving and always declining to accept any for himself. To this may be attributed the fact that but little mention of his name has been made of Mr. Brown's acts of bravery during the revolution by the local press.

To show their appreciation of his services as an officer, a number of Mr. Brown's friends presented him today with a handsome gold watch and chain. This pleasant happening took place at the offices of the Safe Deposit Company. Mr. Fred Lowrey, with a few appropriate remarks, handed the watch to the Deputy Marshal. The inscription is as follows: "Presented to Arthur M. Brown February 12, 1895, by his friends in Honolulu, in recognition of services rendered as Deputy Marshal during the rebellion of 1895. A. M. B."

A NEW ATTORNEY.

William Seabrook Edings, late of Charleston, S. C., was on Monday granted a license by the Supreme Court to practice law in all courts in the Hawaiian Islands. Mr. Edings produced a number of excellent papers, one a certificate from the Supreme Court of South Carolina. He was endorsed locally by Judge Hartwell and others. Mr. Edings received his denization papers a few days ago.

THE MODERN INVALID

Has tastes medicinal, in keeping with other luxuries. A remedy must be pleasantly acceptable in form, purely wholesome in composition, truly beneficial in effect and entirely free from every objectionable quality. If really ill he consults a physician; if constipated he uses the gentle family laxative Syrup of Figs.

OPERA HOUSE IN RUINS.

A SPLENDID STRUCTURE DESTROYED BY FIRE THIS MORNING.

All Ablaze Inside Before the Alarm Was Given—Department's Good Work—Great Crowds.

Several theories as to the origin of the blaze.

Police and Volunteers Turn Out—Insurance—History of the House—Mr. Irwin's Say.

The Hawaiian Opera caught fire at 7 o'clock this morning, and within an hour was a complete wreck. It is entirely gutted. The roof has fallen and only the trembling walls remain.

The blaze was first noticed by some one on the streets, and the alarm was turned into the Mutual Telephone office. At that time the smoke was coming through the windows around the stage and the roof. The tower was wrapped in flames. Many people on the street saw the fire and congregated around the building, even before the alarm had been turned in.

Before the bell rang No. 2's big engine was flying to the scene, following the chemical. No. 1's horses were out for exercise and did not get there until some time later. In perhaps fifteen minutes China engine No. 5 put in an appearance and dropped hose from Alakea down King street.

By the time water was procured the building was doomed. Smoke and flames were coming from windows and doors and from the eaves of the roof on every side. The stage and settings were like so much tinder and sent the flames shooting through the roof.

The main auditorium caught overhead, the chairs in the parquet and dress circle seeming to remain almost unscathed until the roof fell in. Another singular thing was that the curtains fronting both boxes down stairs were not burnt when the windows opposite had been eaten away by the flames.

Water was thrown through the windows and doors, but with no effect whatever for some time. The firemen acquitted themselves nobly, however, frequently risking their lives to get water upon the flames. Several thousand people had gathered on Union Square and contiguous streets. Policemen and members of the Citizens' Guard kept them back. The first fear was of a gasoline tank in the corner of the Judiciary building grounds, connected with the opera house. Had this gone off the result might have proven disastrous. The gasoline tank happened to be empty.

Excellent service was rendered the firemen and police and the Citizens' Guard. The telephone office was in control of a strong squad in a very few minutes, and details of other squads held themselves in readiness in various places. The military were also on hand. Thirty-one men of one company alone were counted around the Richard street corner.

Though no pains have been spared to ascertain the origin of the fire, the matter practically remains a mystery. Captain Larsen and Deputy Marshal Brown have both exhausted their resources on the matter without positive result. The theory that the fire started from an electric wire is considerably weakened by the fact that the wires were carefully insulated and are frequently examined.

Mr. Irwin thinks that tramps, who are wont to raise the windows and sleep in the opera house, started the fire. Half burned cigarettes, etc., have frequently been found on the floor in the morning, and windows have been forced open.

The fact remains, however, that the fire had made greatest headway in the top of the building when discovery was made. The woodwork in the upper walls was all aflame before the stage settings had been destroyed. A fireman carried his hose among the flats on the left side of the stage, at which time no fire could be seen among the scenery except what was falling from above. The center of the blaze appeared to be just over Mr. W. G. Irwin's box on the right side. It is possible that it started below and ran up the flats to this point.

Some think that nibbling rats started the fire with matches left by some of the workmen in the build-

ing. This proposition is regarded as a fair one.

The Hawaiian Opera House was completed early in 1882. It was built by the Hawaiian Music Hall Association. The building was of brick 120 by 60 feet on the ground floor and walls forty feet high and twenty inches thick. The front door was ten feet wide, opening into a vestibule 16 by 27 feet. The gallery had 183 seats. The seating capacity of the house was 671 persons. The stage was forty feet deep and provided with a complete set of scenery, traps and all necessary paraphernalia. The original owners of the Association were: S. G. Wilder, President; H. A. Widemann, Vice President; J. A. Hassinger, Secretary; A. McWayne, Treasurer. Other persons interested were Edward Preston, A. S. Cleghorn, J. H. Paty, A. J. Cartwright and W. G. Irwin. The cost of the building, furnished and ready for occupancy, was \$54,000. The Wells troupe opened the music hall in 1882.

Soon after this, or July 28, 1883, the property was sold at auction to satisfy a claim. It was bought by Mr. W. G. Irwin for \$21,000. John D. Spreckels being a partner in the deal. The building was insured for \$12,000.

Mr. Irwin will not rebuild the opera house. He says he has had enough of such institutions. He has some idea of erecting law offices on the premises, but this is very indefinite.

NEWS IN A NUTSHELL.

Cleveland bicycles are good bicycles.

Sugar was 3 1/32, latest advices, in place of 3/8.

The W. C. T. U. met at the Central Union church at 2:30 o'clock this afternoon.

About the next work of the commission will be to try fifty-seven rebels together.

WANTED—Horse and buggy or phaeton. Must be cheap. Address S. STAR office.

Twenty-one years ago today Kalakaua was elected King. Then followed the Queen Emma riots.

The Hawaiian Republican Club will meet at the American League hall at 7 tonight. Business of great importance.

In the Masonic Temple Squad of Citizens' Guard are six doctors, a preacher, an organist and an undertaker.

If you want to buy, sell or exchange stamps, go to John T. Brown, No. 4, Masonic Temple, Alakea street. Box 441.

F. P. Hemen's house, 151 Fort street, was visited by a sneak thief last night. Artist Hegg lost \$18.50 and the landlord \$2.

T. B. Walker was, up to the rebellion, a naturalized citizen of Hawaii, having forewarned other allegations several years ago.

David Kanuha, tailor at Kamehameha school, lately acquitted upon a charge of treason, has taken the oath to support the Republic and the Constitution.

Fine pleasure boats for ladies and gentlemen at the new Hawaiian Boat House, foot of Richard street. Moonlight boating parties, etc.

Men of the Philadelphia are given day shore liberty. They express gratitude to Mr. Hatch for the privilege they regard as unusual in a country under Martial Law.

The pros and cons on annexation are discussed by the Hawaiian Hardware Co. today. They also say they have enough barbed wire to meet the most exorbitant demand. If you are contemplating renovating your dwelling, they have the Hendry Ready Mixed Paint in all shades and colors.

FOOTBALL INVENTED IN CHINA.

The Game Was Also Known in Japan 1000 Years Ago.

According to Stewart Culin, the curator of the museum of archaeology of the University of Pennsylvania, football originated with those beginners of everything the Chinese. Mr. Culin is making an exhaustive study of games, ancient and modern, and has a curious and ancient drawing showing a personage in the dress of a prime minister playing football with a kuge, or noble, and two of their chamberlains.

The time is somewhere in the tenth or eleventh century, but long before then the game was cultivated as an exercise suitable for the training of soldiers. About the eighth century, it was introduced into Japan, where it became very popular. From these two countries it spread over the entire world.

Guard Elections.

Squad 3 has elected F. J. Lowrey sergeant. The corporals are: First, T. F. Lansing; second, H. F. Wichman; third, E. Kopke; fourth, C. F. Wall. The squad will be photographed next Saturday. A vote of thanks was extended for food supplies during the war to Mesdames F. J. Lowrey, Haeckfeld, Kennedy, Wichman, Kopke, Castle, Boardman and Lansing.

For Squad 5 Dr. C. B. Wood is sergeant and the corporals are Wray Taylor, H. H. Williams, H. A. Parmelee and C. V. E. Dove.

WEEKLY STAR, \$4.00 per year.

PREACHER AT THE BAR.

REVEREND NATIVE CHARGED WITH MISPRISON OF TREASON.

Declined to Plead—Kane His Attorney—State's Case and Defense—Small Audience.

This was the twentieth day of the sitting of the Military Commission. There were not a dozen spectators in the hall when Lieutenant Jones read the record. The defendant was Sam'l K. Kaili, who has been a preacher. He was charged with misprison of treason. The accused has as counsel Sam'l K. Kane. Rev. Mr. Kaili last charge was at Waipio, Hawaii. He is a large, fierce-looking native. Mr. Kane filed the well-known and justly celebrated Neumann objection to the jurisdiction of the court. Overruled.

Mr. Kaili, on advice of counsel, declined to make answer to the charge and thirteen specifications. Pleas of not guilty were entered. San Nowlein called—For some weeks prior to January 6 I was engaged with Messrs. Rickard, Seward and others in the business of conspiring against the Government and concocting a rebellion. Some detail already known was repeated.

Johnny Paaoa—Live near Diamond Head. Saw defendant Thursday night January 3 at Kaala. He was in my house. We were called about midnight. I followed Kaili outside. He disappeared. Next I saw a boat inside the breakers. I walked along on the beach. When the boat came ashore I saw there were guns in it. I helped others unload the guns. Did not see Kaili had a gun at any time. Kaili had come to Kaala that day alone.

Jos. Pahia—Live at Kaala. Defendant lives there sometimes. He was there January 4, in the morning. He went fishing. Saw plenty of footprints on the sand. A cartridge belt was found. Kaili left Kaala for town on Saturday. Nets were dragged over the footprints. Kahimani—Sometimes live at Kaala. So does Kaili. I was in one of the boats that brought arms ashore Wednesday, January 3d. Went again late the next night. Carried guns into bushes. Right after this saw near there Wilcox, Charles Warren and others. Soon we met defendant. Wilcox said to Kaili to take care of "the things that were landed," and showed him where the things were. Kaili told him also to next morning obliterate all the tracks made. Kaili agreed to do this.

Charles Warren corroborated the last witness as to seeing Kaili. Mr. Kane, defendant's counsel, moved a discharge on the ground that prosecution had not shown his client to be present when arms were landed. Overruled.

R. W. Wilcox was called and testified that Kaili was not present when arms were landed, but was there about fifteen minutes afterward. Kaili took the stand in his own behalf. Lease the fishing rights out there. Was at Kahala Thursday night of 3rd. Saw two boats in front of house during the night. Called out, "who is there?" but received no answer. Then a number of people came up along the beach. Recognized Charles Warren and Robert Wilcox. Warren said they had brought some stuff and landed on the sand. That was all that was said. Was in town Saturday. Defense closed.

MATE KNUDSEN.

Andrew Knudsen, Norwegian, mate of the Waimanalo, at the bar. Charge, misprison of treason. Sam Nowlein, Captain Davies, Charles Warren, George Townsend and W. O. Smith testified for the prosecution. The accused then took the stand in his own behalf. Corporal Evanson of Company E sworn as interpreter. Witnesses for the prosecution testified that Knudsen went with Waimanalo after arms, helped to load them on the steamer and was present when they were landed at Diamond Head. It was the general impression that accused knew for what the arms were to be used. The prisoner understood and spoke English very poorly. In his own behalf Knudsen denied having any idea as to how they would be used. He heard conversations about them, but could not understand what was said except that the weapons were "Missionary guns."

Knudsen is a new man in the country, having arrived by the Santa from Liverpool about five months ago. He was six weeks on the Waimanalo. He was closely examined by opposing counsel and by members of the Court. The opinion was expressed that the man was extremely thick-headed. Mr. Neumann submitted his case without agreement. Captain Robertson recommended leniency in case the prisoner was found guilty by the Court and with this, left the matter in the hands of the Commission.

Those Amities.

Louise (of Washington)—Do you know that ever since I have known you you have reminded me so much of one of my best friends at home. The resemblance is quite striking. Your nose and mouth, for instance, are precisely like hers. She's an awfully pretty girl too. (Lulu of New York)—Really, you flatter me.

Louise—Yes, indeed, she is regarded as one of the greatest beauties in Washington. (And musingly) It's rather remarkable, too, for Marie hasn't a single good feature in her face.—Life.

A Dangerous Narrative.

Jones—Schmidt, the barber, told me a wonderful story this morning. Brown—Illustrated with cuts, I suppose.—Truth.

STORY OF OPIUM BROWN.

MENTIONED AS A POSSIBLE ASSISTANT TO THE REVOLUTIONISTS.

Horrible Accounts of How the Desperate Smuggler Probably Disposed of Some Illicit Freight.

A late San Francisco Chronicle has a local item in which Opium Brown, so well known here, figures prominently. The article is in the shape of an interview in which a gentleman says:

"During my residence in Victoria and the surrounding towns last October I saw a great deal of the band of smugglers who have their headquarters along the Sound. It was there I met Billy Stewart, who is known in Honolulu as 'Opium Brown,' and Jack Forbes, alias Jack Regan. These men are well known opium and Chinese smugglers, and are the owners of the South Bend. It was they, you remember, who brought down twenty Chinese two years ago to be landed in this city. It was alleged that when the schooner reached the heads the captain found out in some mysterious manner that the authorities were watching for him, and he did not care to return with the Chinese he ordered them all thrown overboard. That was the current story."

"At the time there was a good deal of talk over the mysterious disappearance of the Mongols, and since then the Chinese of Victoria refused to hire either Stewart or Forbes to transport coolies."

"Both men are notorious smugglers and swindlers, and are wanted by the authorities of Seattle and other Northwestern towns. For a number of years they have been openly engaged in opium and Chinese smuggling and have succeeded in accumulating considerable money."

The Chronicle's informant continues with a circumstantial story to the effect that Stewart and Regan loaded the South Bend with arms and opium for the islands.

OF PIRATE STOCK.

Political Prisoner Known in a Venerable Yankee Town.

PLYMOUTH (Mass.), Jan. 22.—Arthur P. Peterson, who has been arrested for being one of the agitators on the Royalist side in the recent rebellion in the Hawaiian Islands, is well known here, where he resided several years ago.

He comes of Plymouth stock, his father being Daniel Porter Peterson a native of South Plymouth, but he was born in Honolulu, where his father was in business. He is about 35 years old and received his college education in the University of Michigan, being a student in the law school.

He graduated there about 1877 and located here for a short time and studied law in the office of the present Chief Justice Mason of the Supreme Court.

He was admitted to the Plymouth County bar and practiced law here for a few years. He was a member of the Standish Guards, then Company H, First Regiment, and was corporal and company clerk in 1879. In company with William E. Chase of Boston he established a daily newspaper.

A BADGE FOR "BOB."

Interpol Police Captain Remembered by the Ladies.

The beautiful gold badge prepared by the ladies of Honolulu for Senior Captain Parker was presented at 2 o'clock this afternoon in the court room at the station house. Captain Parker was attended by six of his officers and twenty-six men.

There was also a purse of \$300. Mrs. E. D. Tenney, in a few remarks, made the presentation. The badge is pure gold, with four diamonds set in a central star. On the front is inscribed the words: "Senior Captain, Police, 1895." And on the back: "To Robert Parker Waipa, from the ladies of Honolulu." Mrs. E. D. Tenney, Mrs. F. M. Hatch and Miss Helen Wilder had the matter of raising funds for the badge in hand. These ladies have been very active in the matter. Miss Wilder was the originator and had the hearty co-operation of Mrs. Tenney and Mrs. Hatch.

MRS. TENNEY'S REMARKS.

Captain Robert Parker—We have come here on behalf of the ladies of Honolulu to present to you this testimonial and purse which convey to you our great appreciation of your brave and gallant conduct during the late insurrection. We hope you will accept these tokens of our esteem with our Aloha Ni and hearty good wishes for your future prosperity and happiness.

CAPTAIN PARKER'S REPLY.

Ladies—I am at a loss to know how to thank you for this beautiful badge. Most keenly do I feel that I am undeserving of such a rich present, and that as a police officer I have simply tried to do my duty and be loyal to the Government I have taken the oath to support.

But I do most sincerely thank you and all those who have contributed toward this, and I shall always treasure it as my choicest of gifts.

MEXICAN CIGARS AT HOLLISTER & CO'S.

WEEKLY STAR, \$4.00 per year.

ALL ALONG THE DOCKS.

COAL CARRIES AND MERCHANDISE CRAFTS STILL PILING IN.

Fifty of Scales—Some Require Repairs—The Island Fleet—Notes of the Waterfront.

The William Bowden is in the stream.

The Kaala sailed at 9 a. m. for Kahuku.

The tern O. M. Kellogg, lumber laden, is in naval row.

The Kenilworth received about 8000 bags of sugar yesterday and today.

The Claudine for Maui and the Iwalani for Kauai will sail at 5 p. m.

The W. G. Hall arrived early this afternoon from Maui and Hawaii.

The sealer Edward F. Webster is on the marine railway for an overhaul.

The Kilanea Hou and James Macek will leave at 4 this afternoon for Hawaii and Kauai respectively.

By mistake the Oceanic Vance from Newcastle was reported Monday. It turned out to be the schooner King Cyrus with coal for the railroad.

The American barkentine Uncle John reached port at 6 p. m. Monday. She was twenty-three days from Eureka with lumber for Lewers & Cooke.

The American bark Ceylon, Calhoun master, which arrived Monday was 22 days from San Francisco. She brought a light cargo and no passengers. The Ceylon is at Sorenson's wharf.

ARRIVALS.

TUESDAY, Feb. 11
Schooner W. H. Hall, Simonson, from Maui and Hawaii.

MONDAY, Feb. 10
Am bktn Uncle John, Peck, from Eureka.
Schooner H. C. Wright, Brummer, from Nainai.
Am schr King Cyrus, Christensen, from Newcastle.

DEPARTURES.

TUESDAY, Feb. 11
Schooner Claudine, Cameron, from Maui and Hawaii.
Schooner Iwalani, Freeman, for Makaweli and way ports.
Schooner Kaala, Brown, for windward Oahu.
Star James Macek, Peterson, for Kapa.
Star Kilanea Hou, Andrews, for Hawaii and Maui.

FOREIGN VESSELS EXPECTED.

Ship H. G. H. Glad, Liverpool, New Zealand.
Ship Mary Winkelman, Newcastle.
Ship Kenilworth, Baker, San Francisco.
Ship Ceylon, San Francisco.
Ship S. S. Australia, Honolulu, S. F.
Ship Golden Shore, Newcastle.
Ship Harry Morse, Newcastle.
Ship Oceanic Vance, Newcastle.
Ship Robert Selden, Newcastle.

VESSELS IN PORT.

NAVAL VESSELS.
U. S. S. Philadelphia, Cotton, San Francisco.
MERCHANTMEN.
(Counters not included in this list.)
Schooner Wm. Bowden, from Kahului.
Schooner Kenilworth, Baker, San Francisco.
Schooner Iwalani, Freeman, from Makaweli and way ports.
Schooner Kaala, Brown, from windward Oahu.
Star James Macek, Peterson, for Kapa.
Star Kilanea Hou, Andrews, for Hawaii and Maui.

NEIGHBORING PORTS.

W. H. Hall, Simonson, from Maui and Hawaii.

SUBSTITUTE FOR RIFLING.

Fitting the Projectile to Give It the Rotary Movement.

A substitute for the rifling of cannon, which is the chief cause for the great cost of modern guns, has been devised by Mr. Unge, a Swedish engineer, who also expects to put an end to the deterioration of the bore due to the combustion of gases which the new powders develop.

He fits the projectile with gas checks, which prevent the passage of any gases, and gives to it the axial rotary movement which is now obtained by rifling the barrel by a mechanical device which gives the twist to the gun itself at the moment of firing. The motion conveyed may be kept constant or increased. He claims that the effect is the same as that obtained by the twist in the rifle; that the accuracy of fire obtained by his system is equal or superior; that by it heavy guns can be produced at half the present cost and will last twice as long as they do now.

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A place to spend a few quiet hours is the Lanai Bath. Waikiki cars pass the door.

FOR A SHORT TIME ONLY.

MR. E. W. HEGG, Crayon Artist.

On a visit to the Islands, will, for a short time only, offer his services to the Honolulu public with headquarters at WILLIAMS'. Call and see Samples.

Try the "Star" Electric Works for Fine Printing.

We

Have received our first cargo from the great North West. Having been there for the past two months we are satisfied that is the country to get Hay, Grain, Food, Flour, etc. In fact it is headquarters for merchandise in our line. On the bark Oakland just arrived we have some of that Timothy Hay such as is used in the States—try a bale or two, it is cheap and good, and will put new life in your horses, and some East Washington Wheat Hay and fresh Alfalfa, choice Surprise, and No. 1 Feed Oats, Barley, Rolled Barley (pure and simple), Bran, Middlings, Wheat and everything else found in a first-class Feed Store, and the prices are away down. The

California Feed Company

are strictly in it. We are at the old place, foot of Nuuanu street. Our telephones are 121.

Firewood, sawed and split, \$12.00 per cord, delivered to an part of the city free of charge.

KING & WRIGHT.

NATIONAL CANE

SHREDDER.

Patented under the laws of various Republics.

One of these Shredders has recently been installed at the mill of the Paahau Plantation Company, Hamakua, Hawaii, and Mr. Andrew Moore, the manager, writes concerning it

PAHAU PLANTATION CO., HAMAKUA, Jan. 10, 1895.

W. G. IRWIN & CO., LTD., HONOLULU: Gentlemen—The mill has been running during the past two weeks, with the National Cane Shredder lately installed, giving the most satisfactory results.

Our mill consists of three sets of two rollers, 24 in. dia. x 7 ft. long, driven by an automatic engine 11 in. dia. cylinder by 14 in. stroke.

The Rattoon cane being milled is as hard as it is possible for cane to be, having been subjected to a severe frost during the whole of its growth, and growing on land with a trade wind exposure. Our experience with the Shredder is very satisfactory, proves it to be just what our mills required, the shredder cane being better prepared to have its juice extracted than formerly after passing through the first mill. The first mill is now allowed to open 9-16 in. instead of 3-4 in. as formerly, so that the trash now leaves the first mill, better ground, than it formerly did the second, and this, without the old time grinding, choking, and straining of the machinery.

Behind this first and second mills we apply hot water, the quantity for the past 12 days, as per statement attached, has averaged 35 per cent. on the total juice from the cane. The trash from the last mill is cut up much finer than the shredder was applied much of it resulting saw dust, it contains as per statement 25 per cent. of moisture and makes good feed, the juice from the last mill stands 10 per cent. higher than the shredder in the trash is of 5 per cent. sugar solution.

The rollers make steam much cooler than before, now care has to be taken to keep them from blowing off, whereas before great care was necessary to keep the steam from going too low when the Pan was on.

By the use of the Shredder we have dispensed with six men, formerly necessary to distribute the cane on the carrier, feed the first mill, and throw back the long pieces.

The Shredder Machinery is a good substantial job, and should cause little or no trouble, as it is subjected to but light strains.

You will see that by applying the Shredder, our work in all departments has been very materially improved, obtaining a better extraction at less expense than formerly. The great improvement in our steam, causes much satisfaction to those engaged in the Mill.

Yours Respectfully, JOHN GRACE, Manager Honolulu Dairy